

Fig. 1

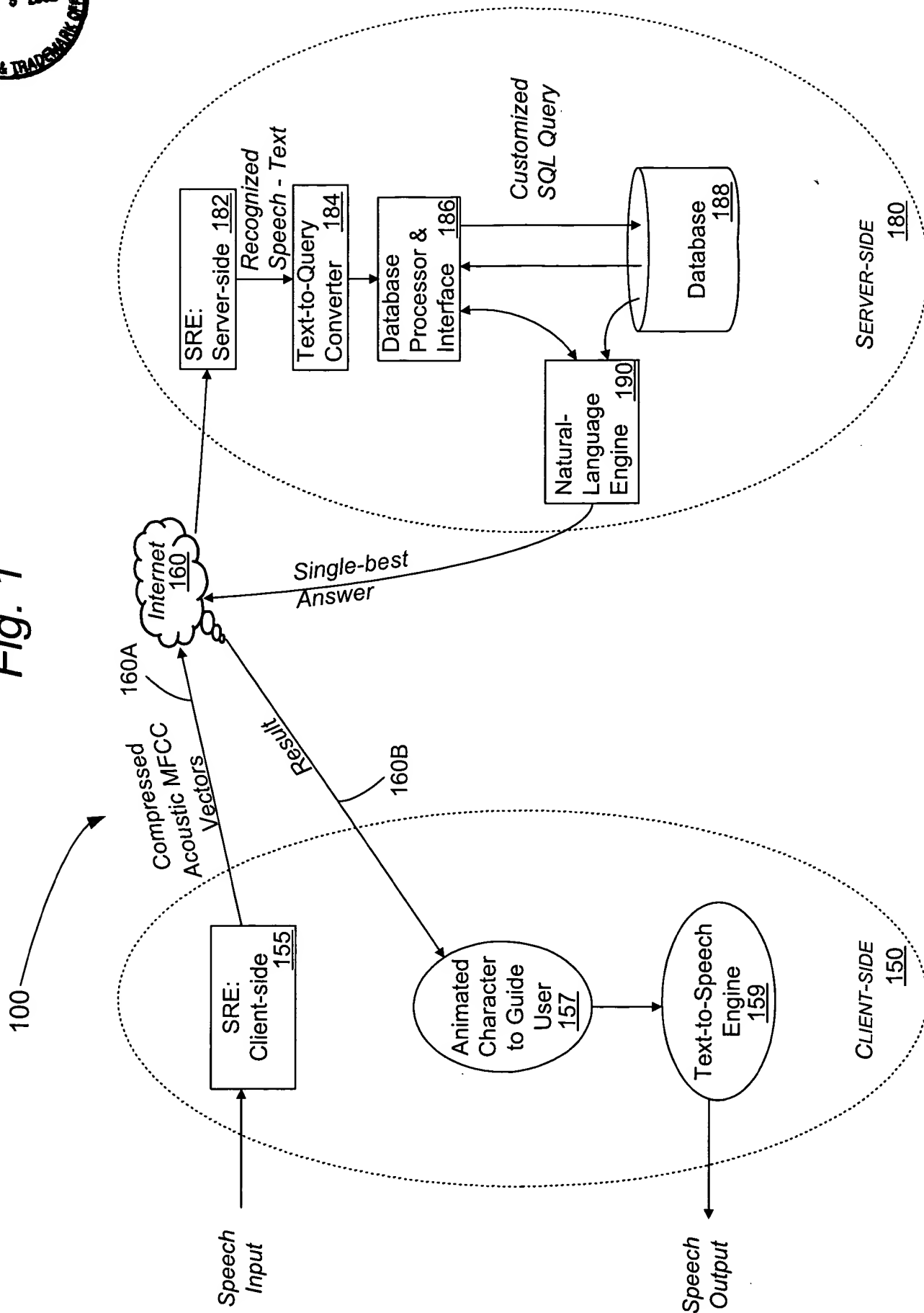




Figure 2 (Page 1/3)
CLIENT-SIDE SYSTEM LOGIC

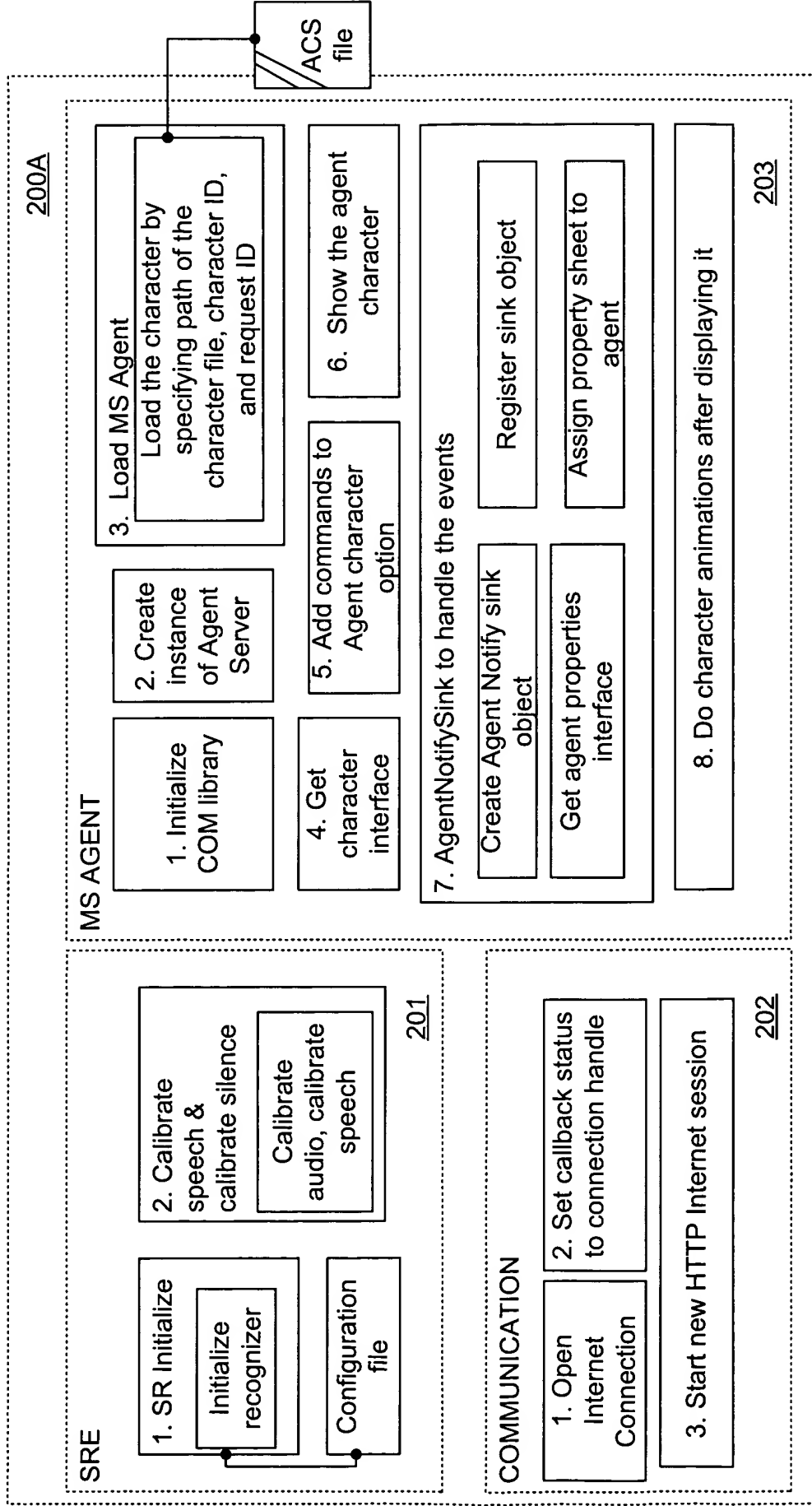


Figure 2 (Page 2/3)

 CLIENT-SIDE SYSTEM LOGIC

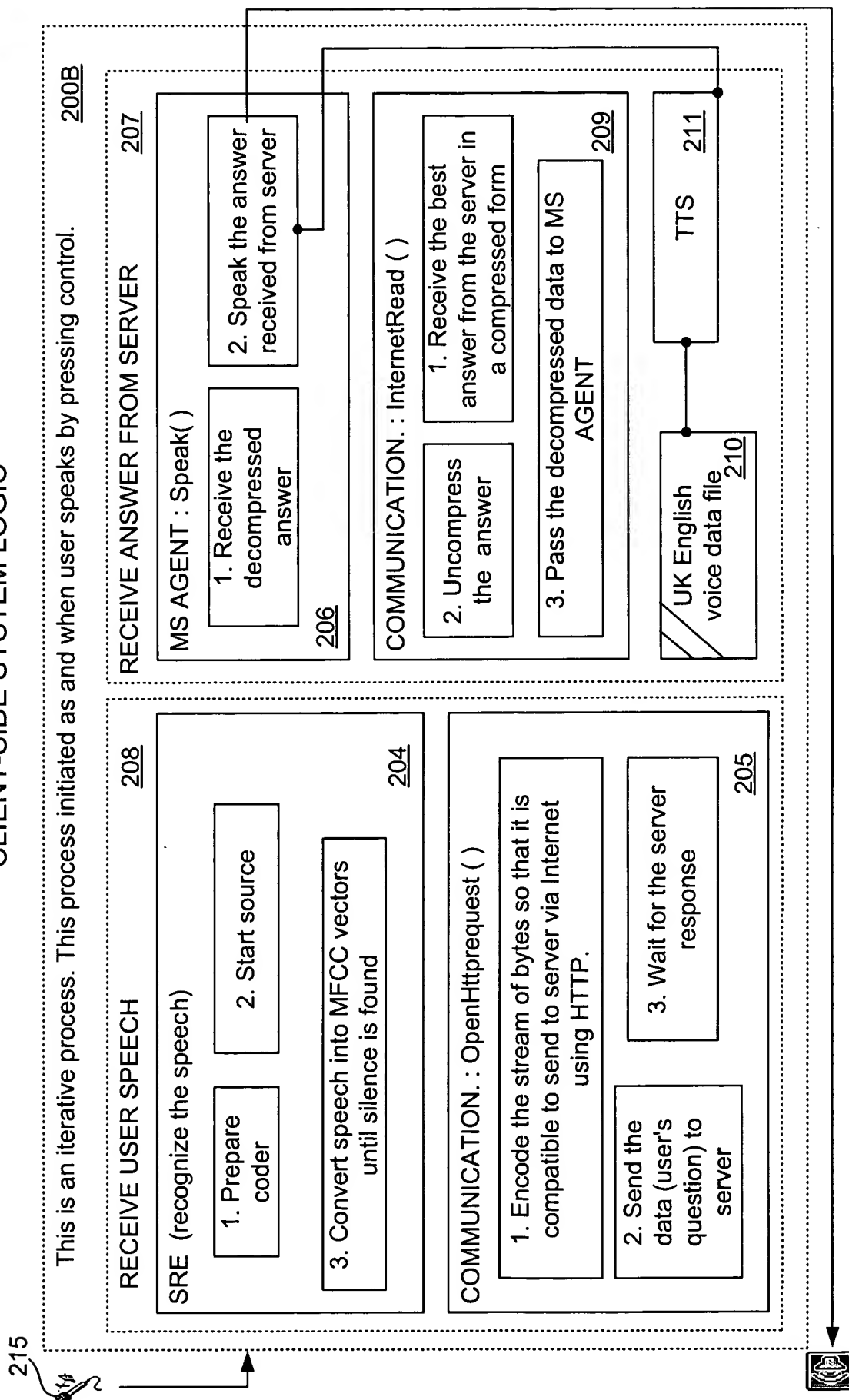




Figure 2 (Page 3/3)
CLIENT-SIDE SYSTEM LOGIC

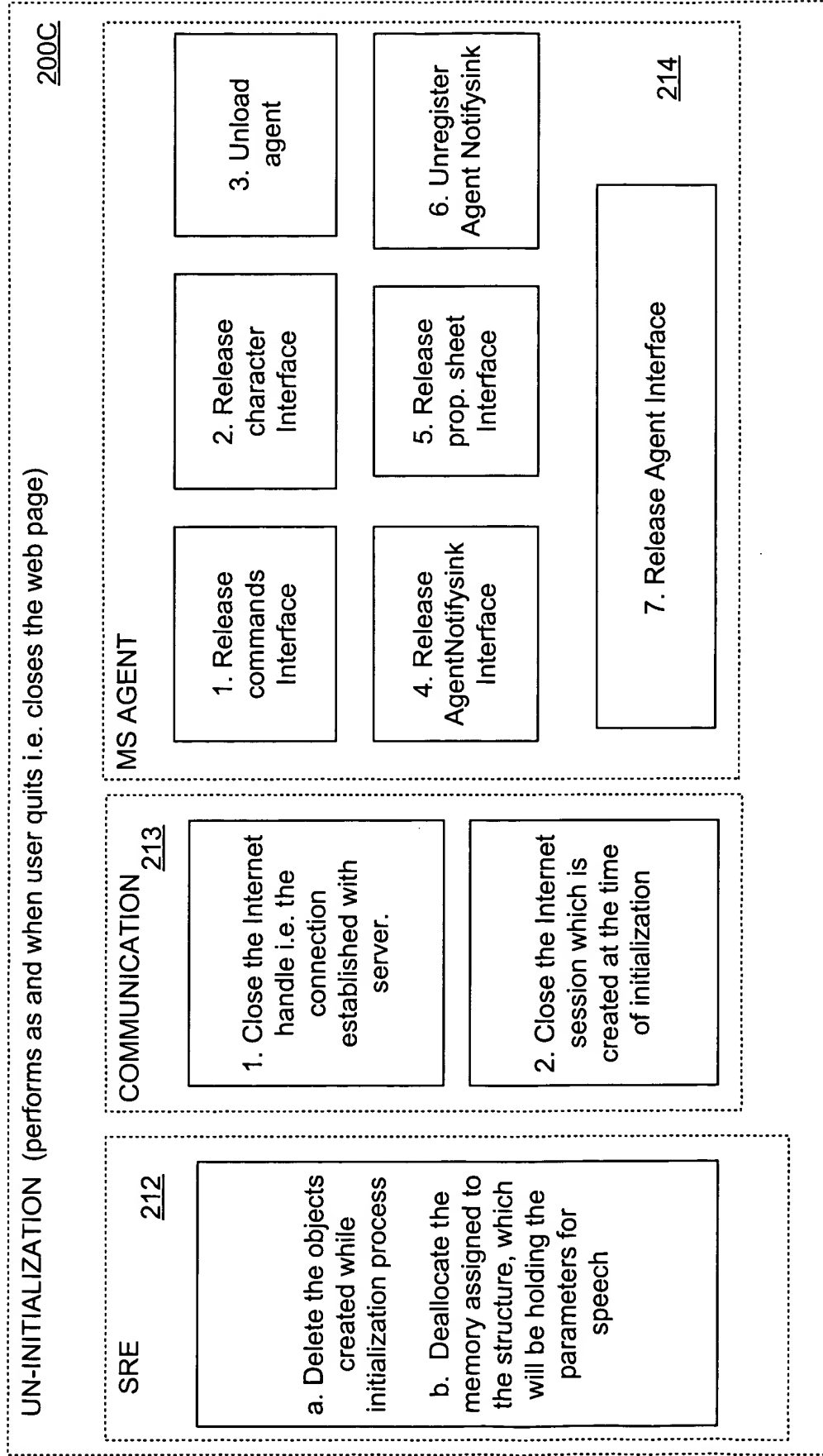


Fig. 2-2 Client-side Initialization

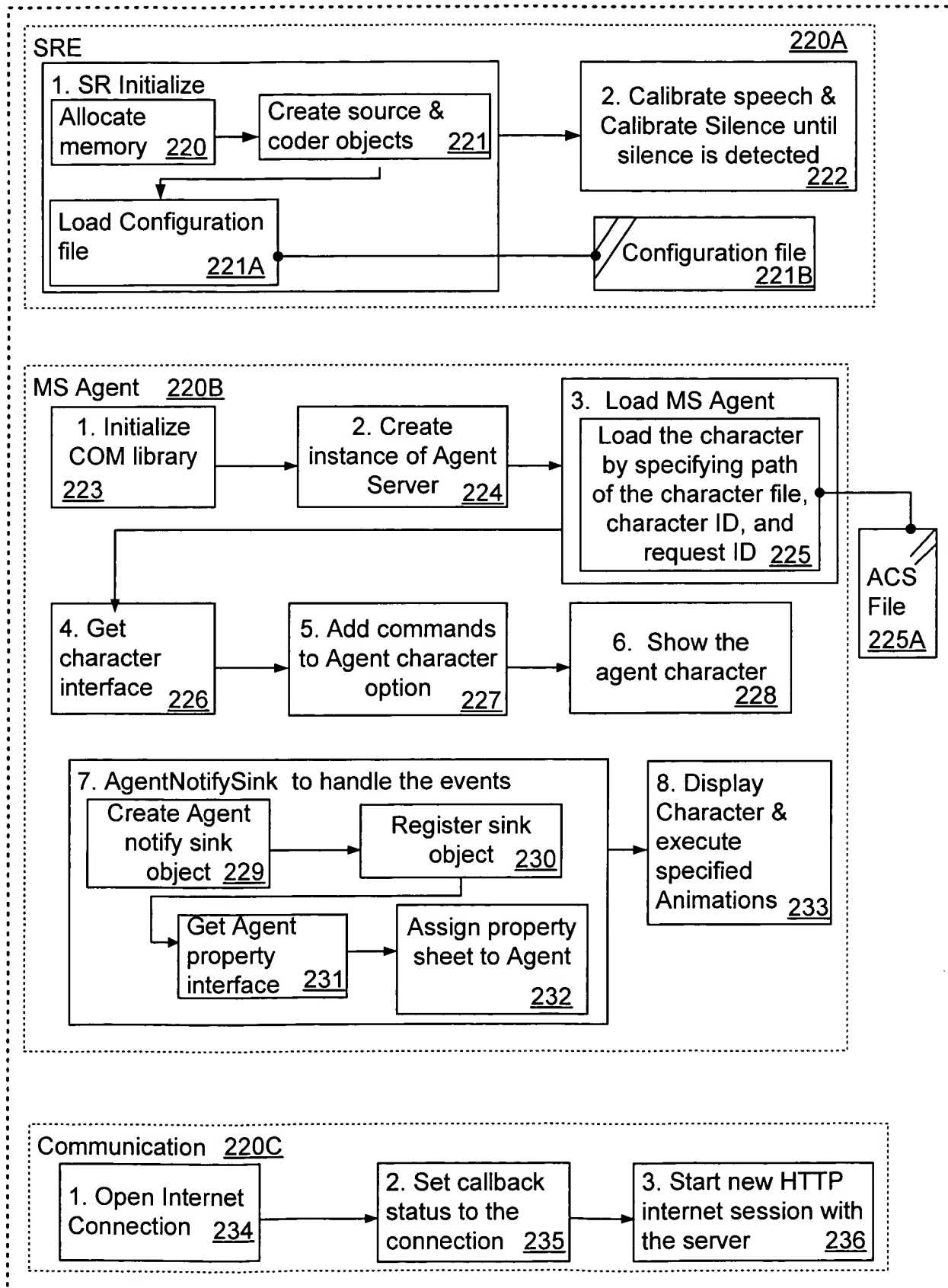




Fig. 3

Client-side Iterative Process

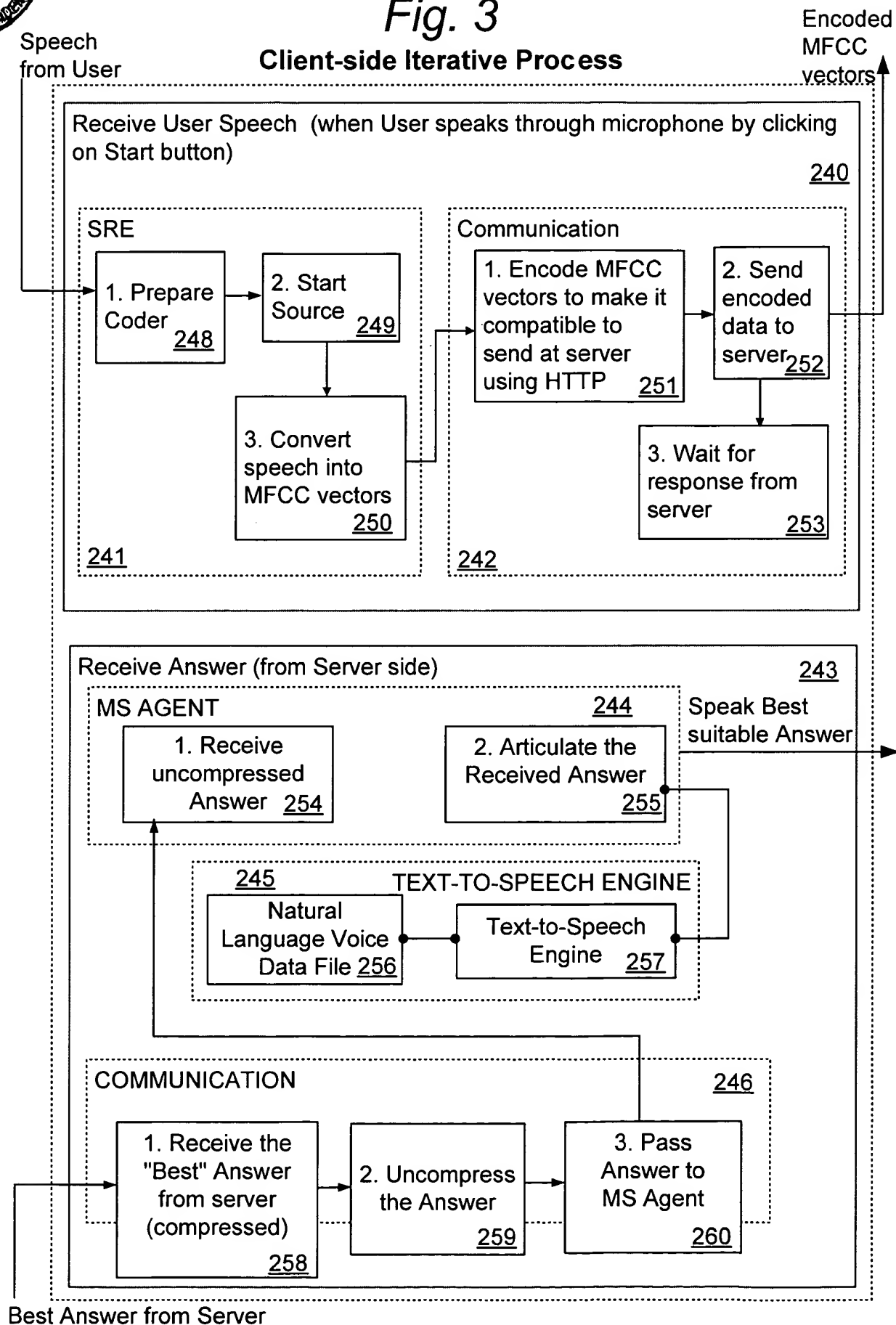


Fig. 4
Client-side Un-Initialization

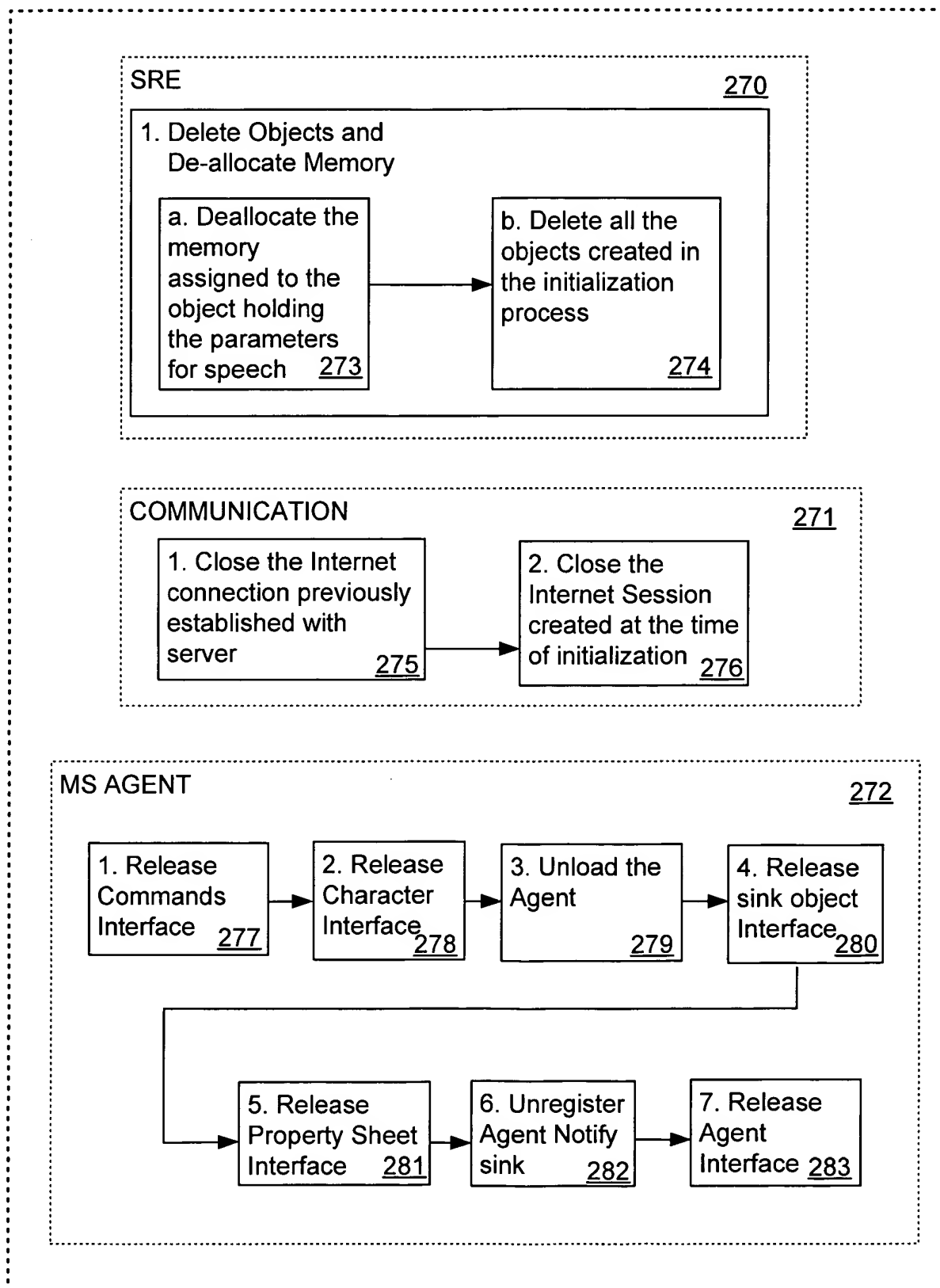
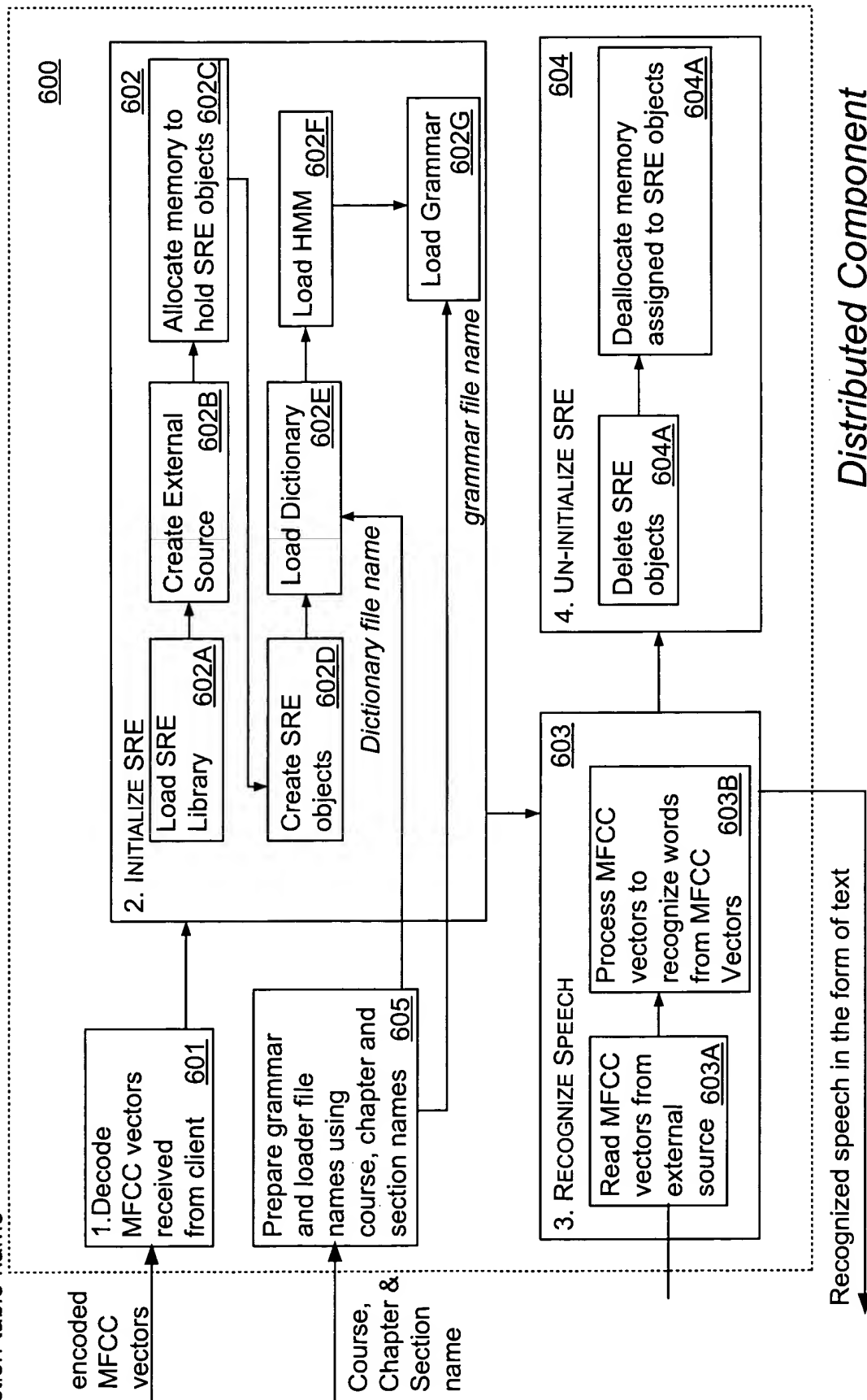


Fig. 4A

Note: course-DB name
 chapter-table name
 section-table name



Distributed Component
 of SRE at Server-Side

Fig. 4B
 Build of SQL Query

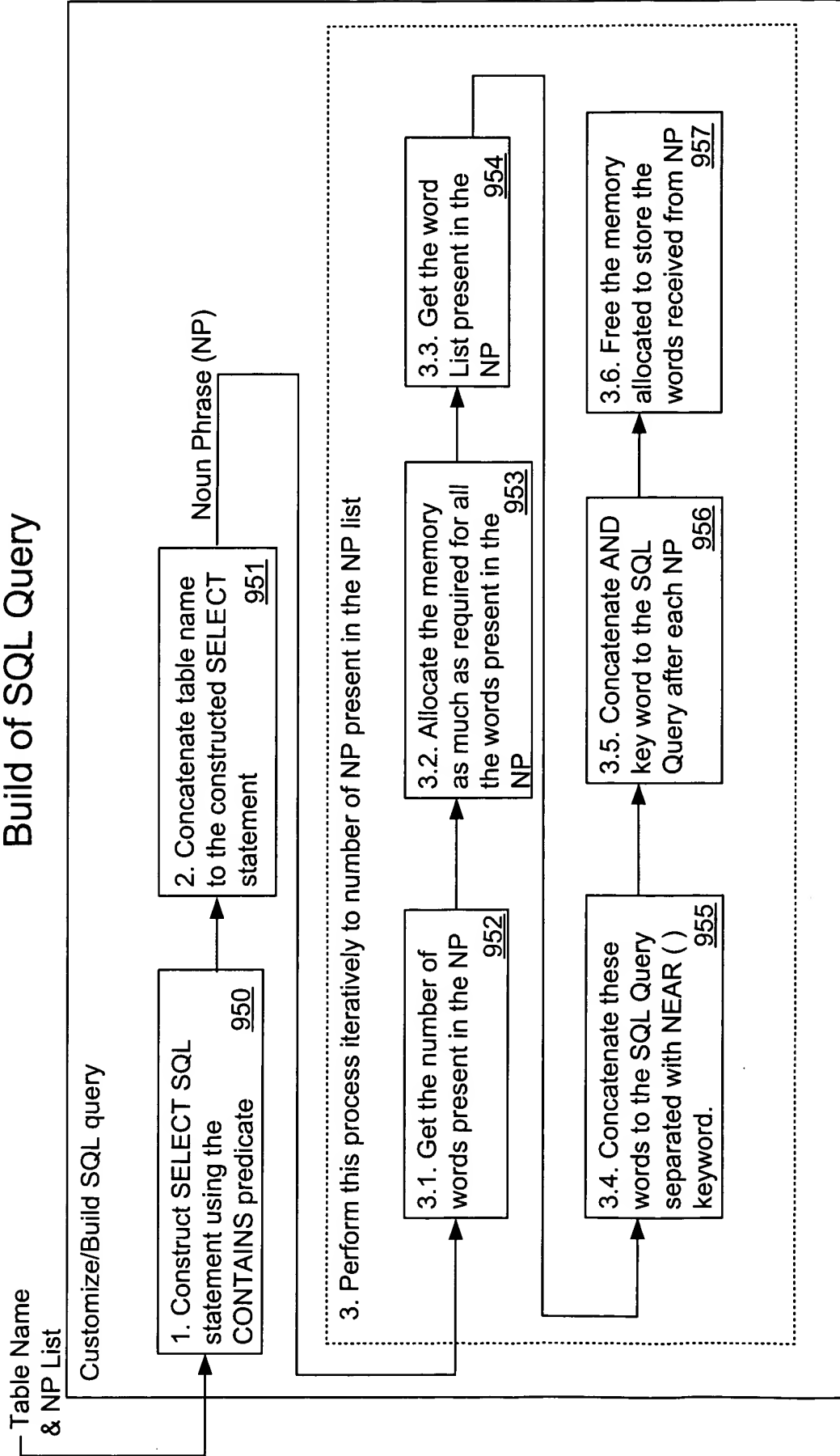




Fig. 4C

Server-side DBProcess DLL

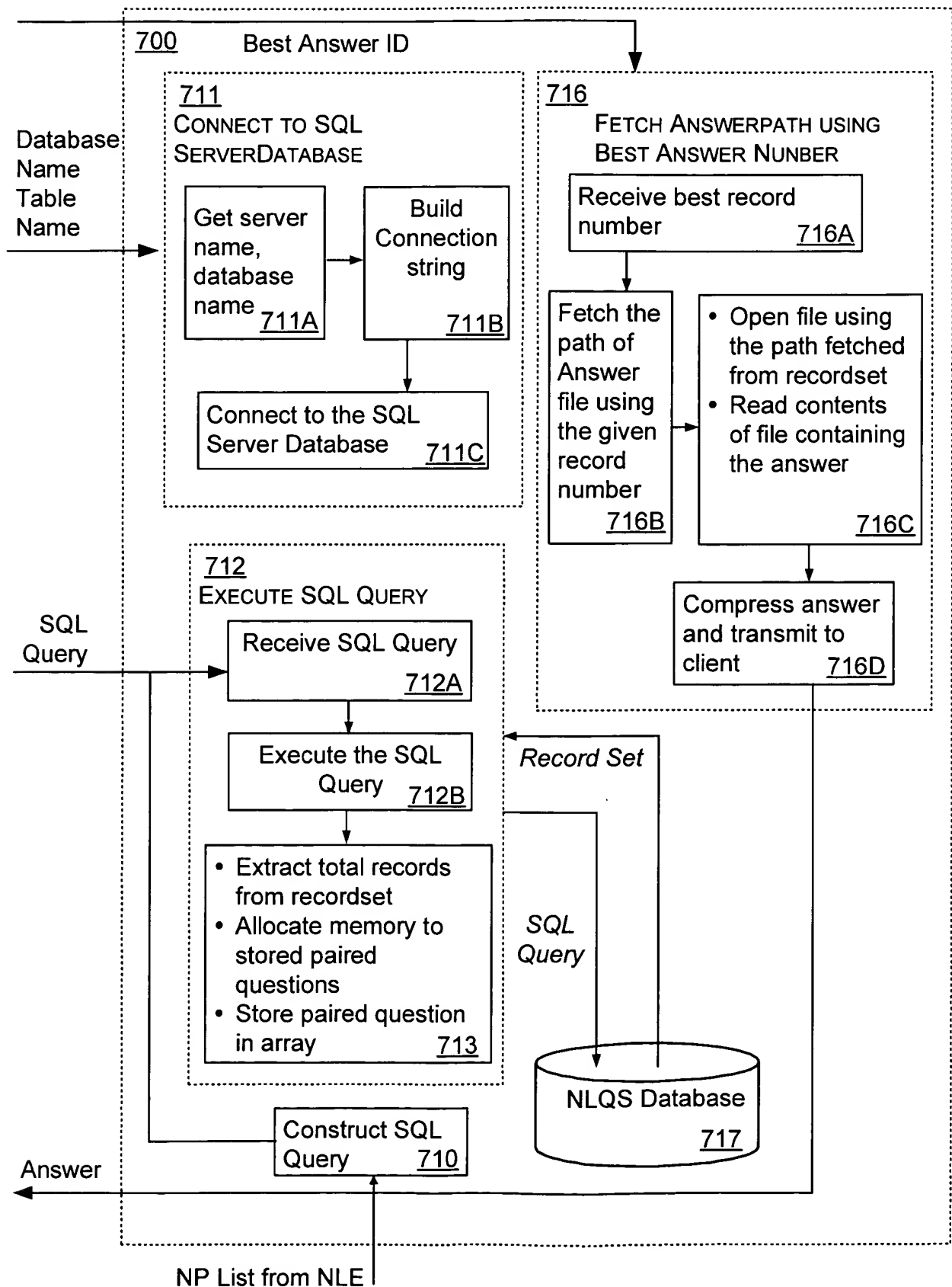




Fig. 4D

Note: PQ - Paired Question
NP- Noun Phrase
Red Line - I / O

Interface Logic between
NLE and DBProcess.DLL

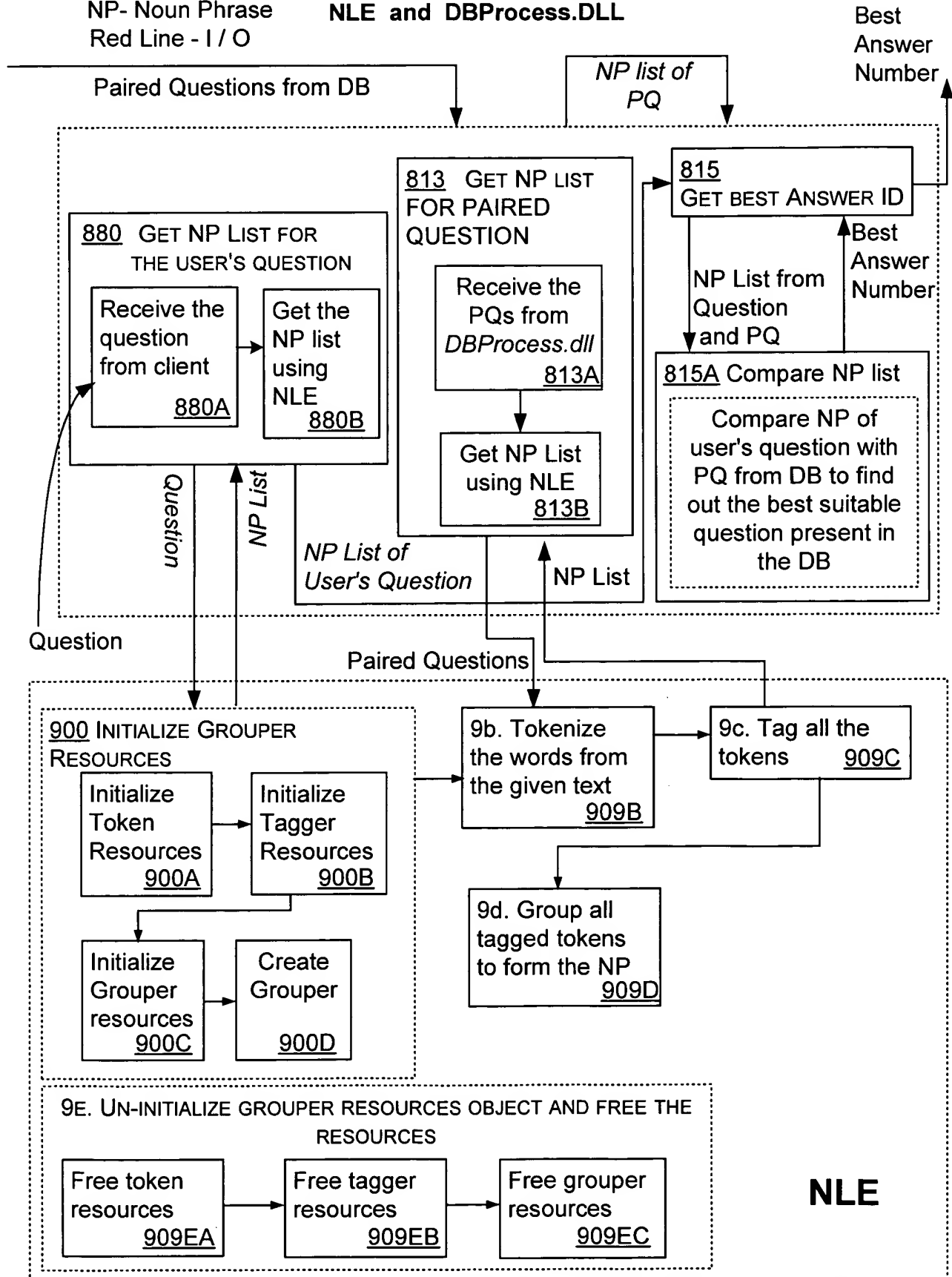


Fig. 5

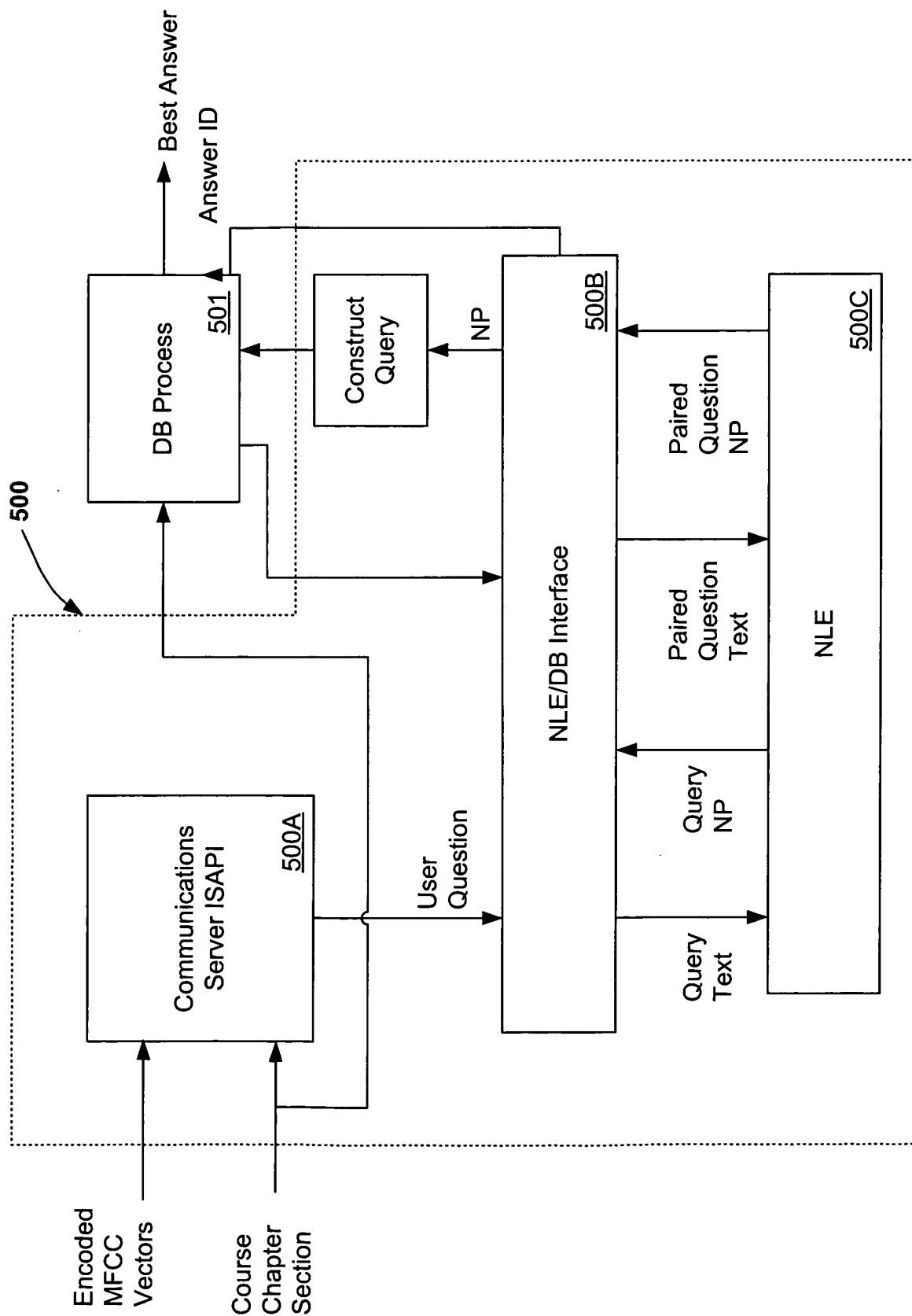


Fig.6

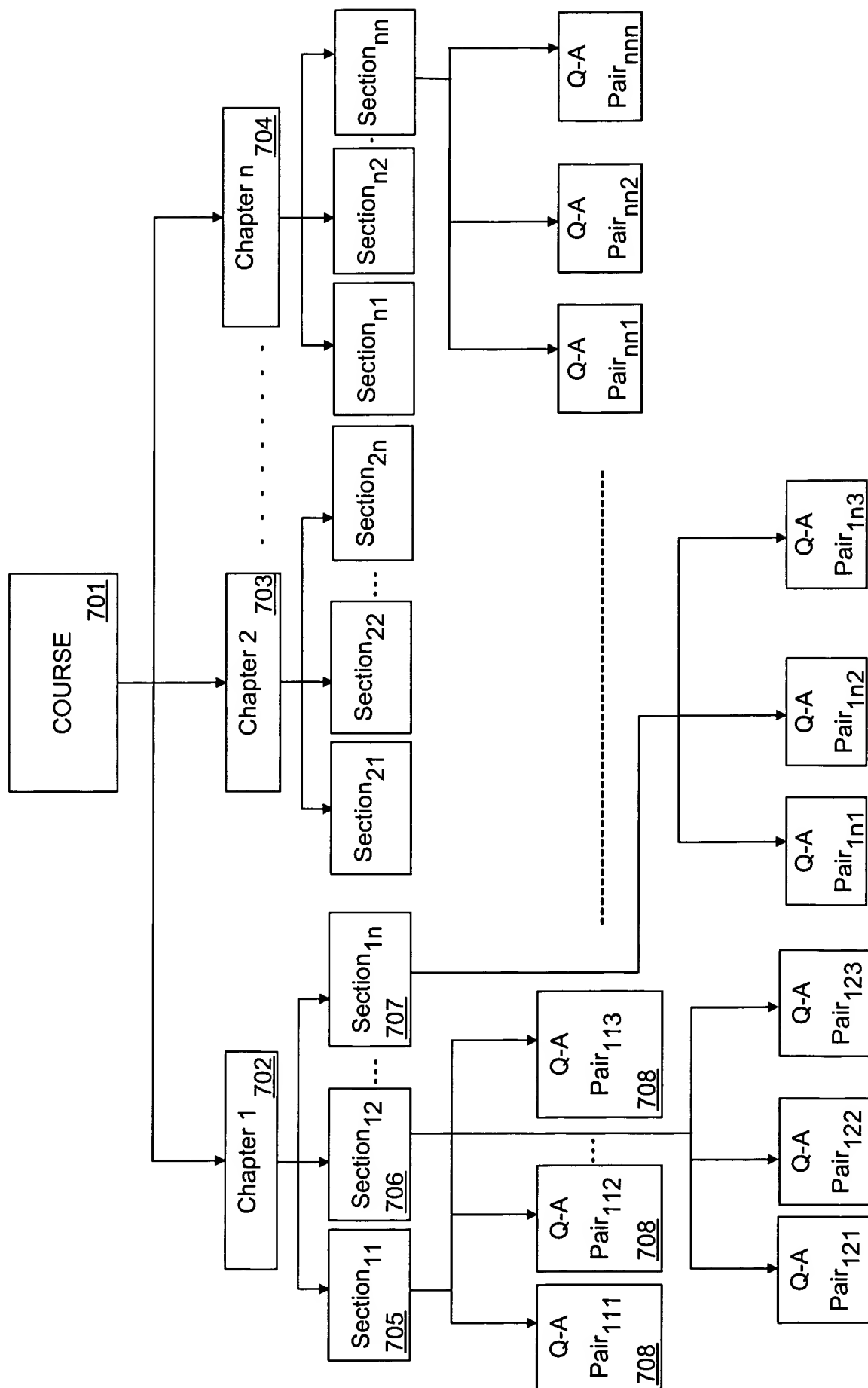




Fig. 7A

FIELD NAME <u>701A</u>	DATA TYPE <u>702A</u>	SIZE <u>703A</u>	NULL <u>704A</u>	PRIMARY KEY <u>705A</u>	INDEXED? <u>706A</u>
ChapterName <u>707A</u>	Varchar	255	No	No	Yes
SectionName <u>708A</u>	Varchar	255	No	No	Yes



Fig. 7B

FIELD NAME <u>720</u>	DATA TYPE <u>721</u>	SIZE <u>722</u>	NULL <u>723</u>	PRIMARY KEY <u>724</u>	INDEXED? <u>725</u>
Chapter_ID <u>726</u>	Integer		No	Yes	Yes
Answer_ID <u>727</u>	Char	5	No	UNIQUE	Yes
Section_Name <u>728</u>	Varchar	255	No	UNIQUE	Yes
Answer_Title <u>729</u>	Varchar	255	Yes	No	Yes
PairedQuestion <u>730</u>	Text	16	No	No	Yes (Full-Text)
AnswerPath <u>731</u>	Varchar	255	No	No	Yes
Creator <u>732</u>	Varchar	50	No	No	Yes
Date_of_Creation <u>733</u>	Date	-	No	No	Yes
Date_of_Modification <u>734</u>	Date	-	No	No	Yes



Fig. 7C

Field	<u>720</u>	Description	<u>735</u>
AnswerID	<u>727</u>	An integer - automatically incremented for user convenience	
Section_Name	<u>728</u>	Name of section to which the particular record belongs. This field along with AnswerID has to be made primary key	
Answer_Title	<u>729</u>	A short description of the answer	
PairedQuestion	<u>730</u>	Contains one or more combinations of questions for the related answer whose path is stored in the next column AnswerPath	
AnswerPath	<u>731</u>	Contains the path of text file, which contains the answer to the related questions stored in the previous column	
Creator	<u>732</u>	Name of content creator	
Date_of_Creation	<u>733</u>	Date on which content has been added	
Date_of_Modification	<u>734</u>	Date on which content has been changed or modified	



Fig. 7D

FIELD	<u>740</u>	DATA TYPE	<u>741</u>	SIZE	<u>742</u>	NULL	<u>743</u>	PRIMARY KEY	<u>744</u>	INDEXED	<u>745</u>
Answer_ID	<u>746</u>	Char		5		No		Yes		Yes	
Answer_Title	<u>747</u>	Varchar		255		Yes		No		No	
PairedQuestion	<u>748</u>	Text		16		No		No		Yes (Full-Text)	
Answer_Path	<u>749</u>	Varchar		255		No		No		No	
Creator	<u>750</u>	Varchar		50		No		No		No	
Date_of_Creation	<u>751</u>	Date		-		No		No		No	
Date_of_Modification	<u>752</u>	Date		-		No		No		No	

Fig. 8

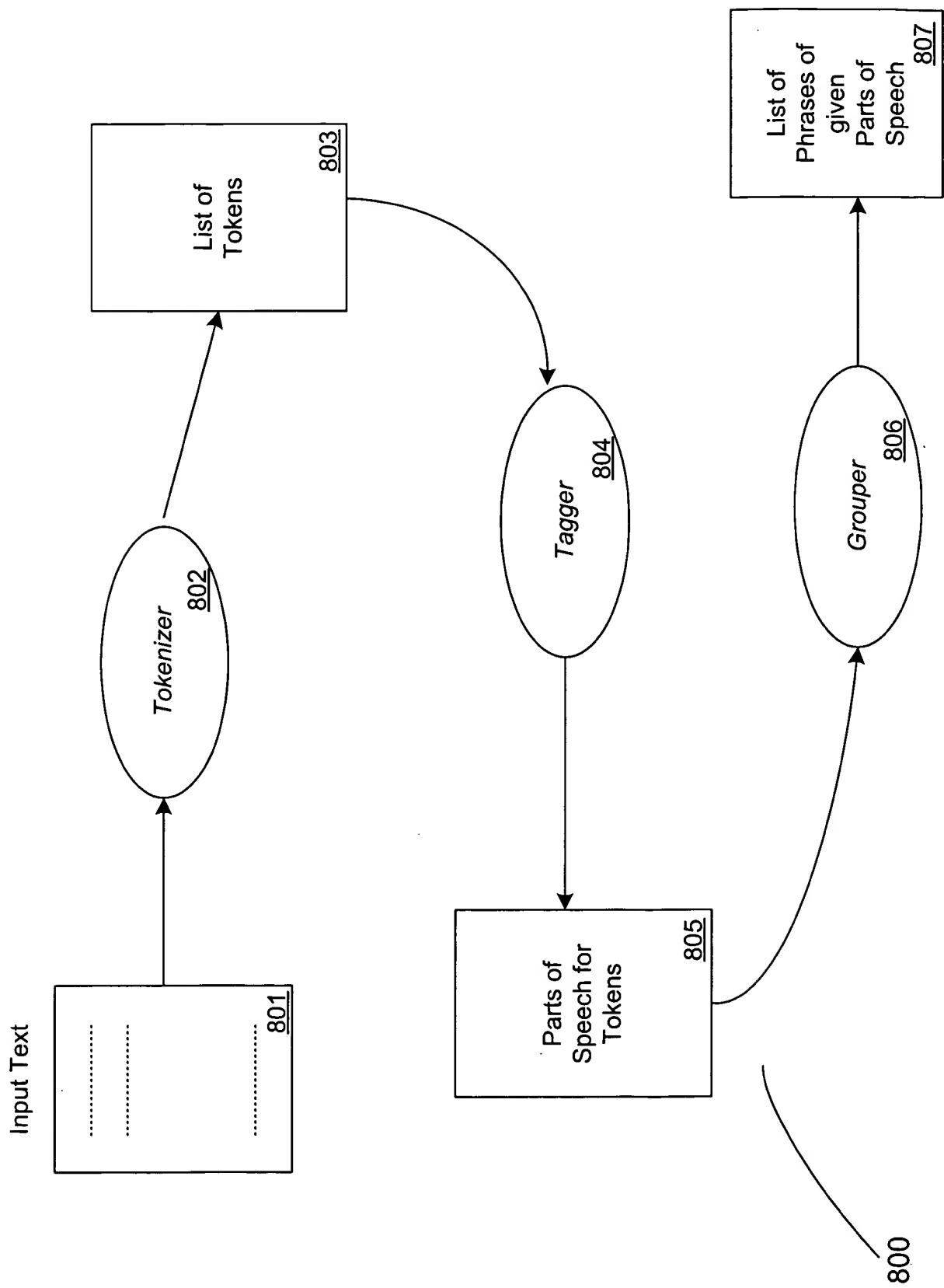


Fig. 9

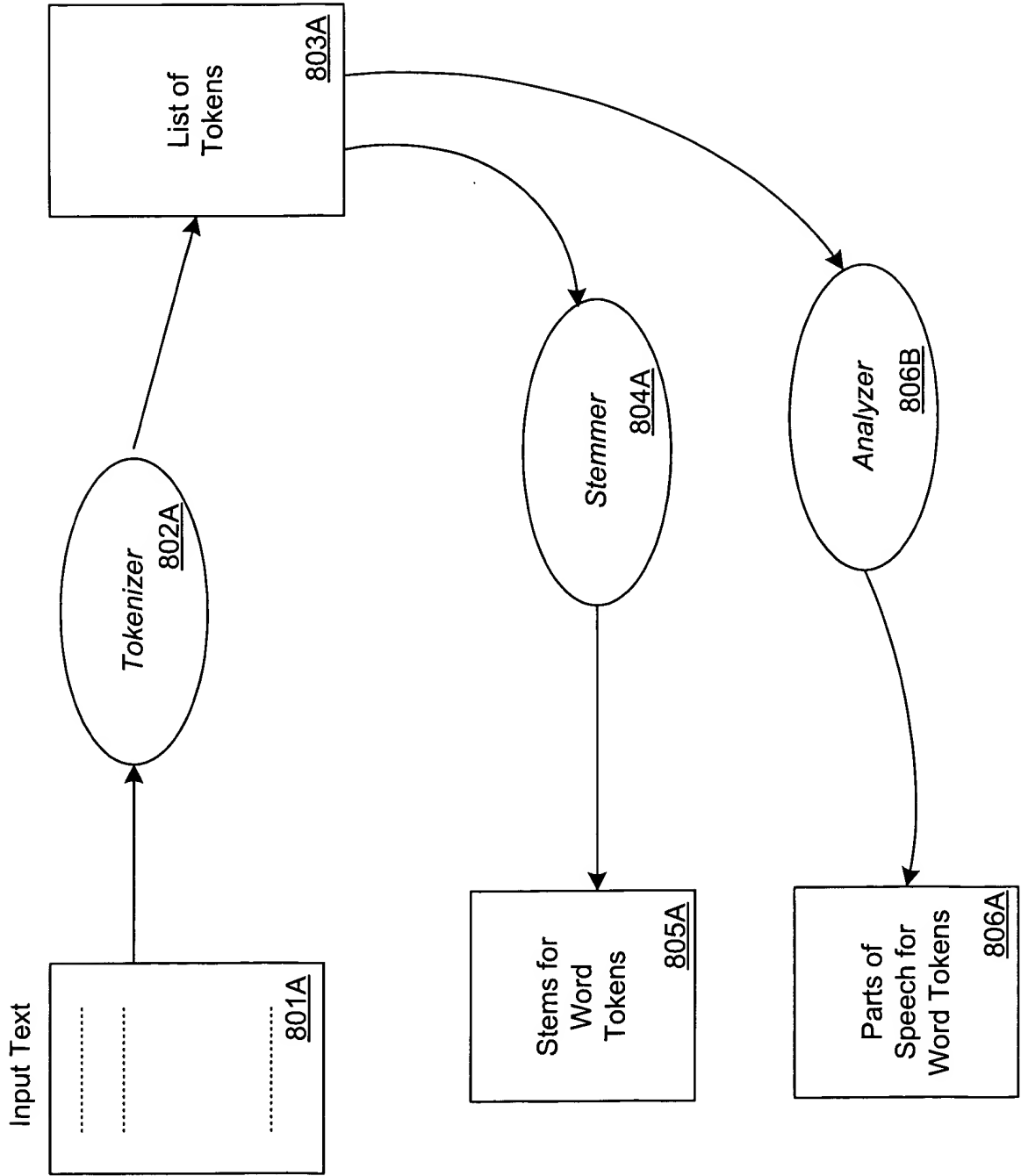


Fig. 10

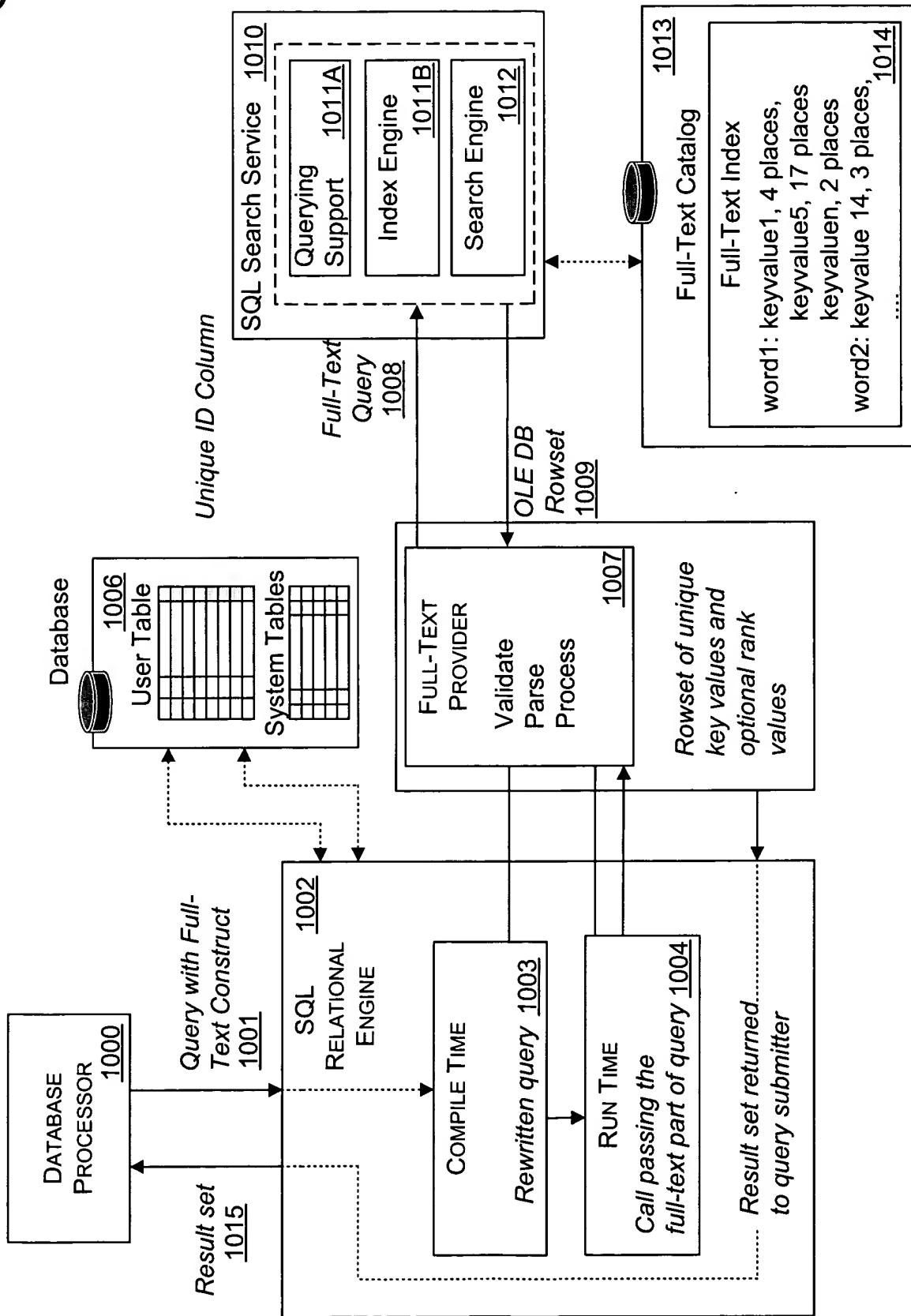




Fig. 11A

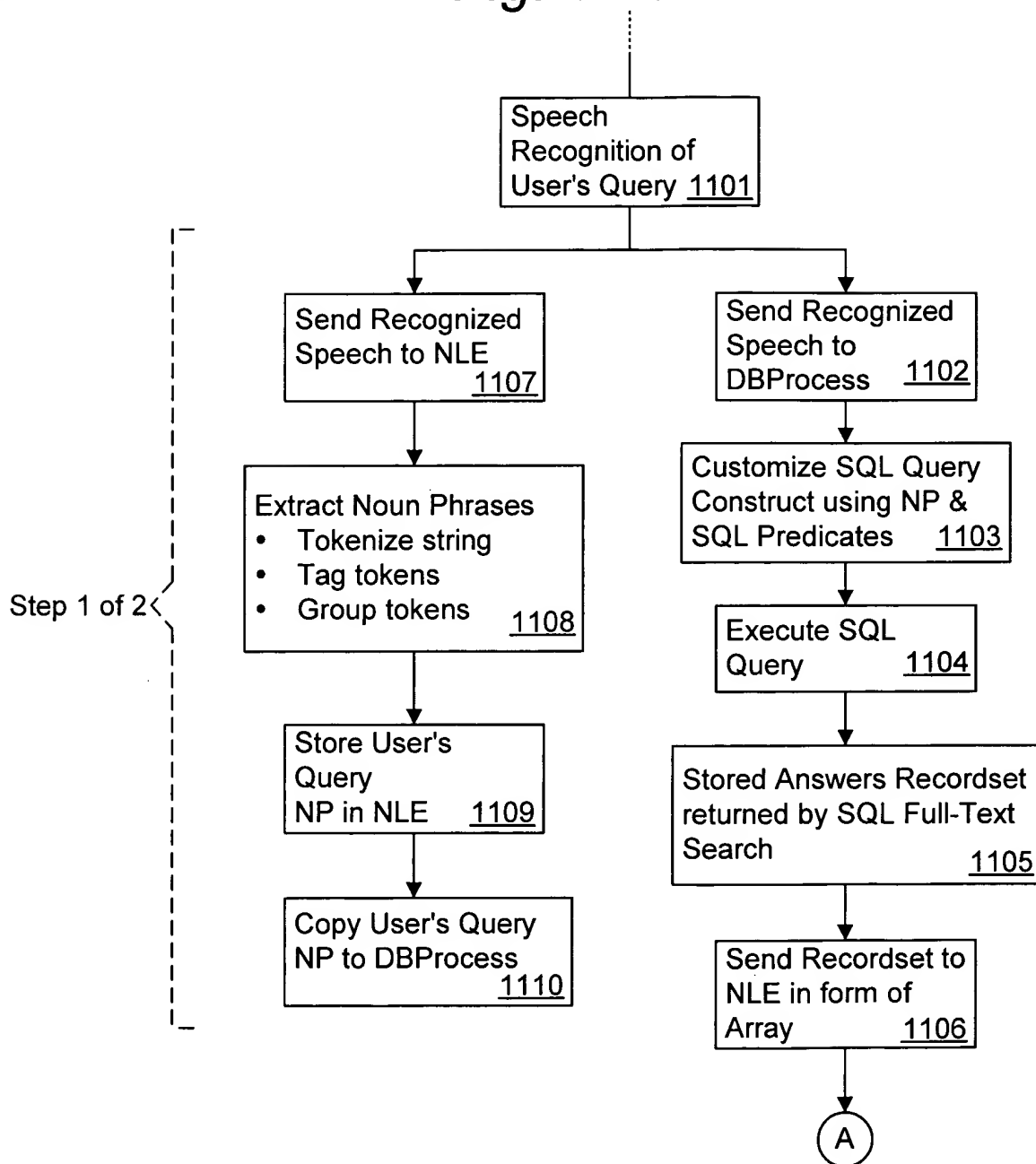




Fig. 11B

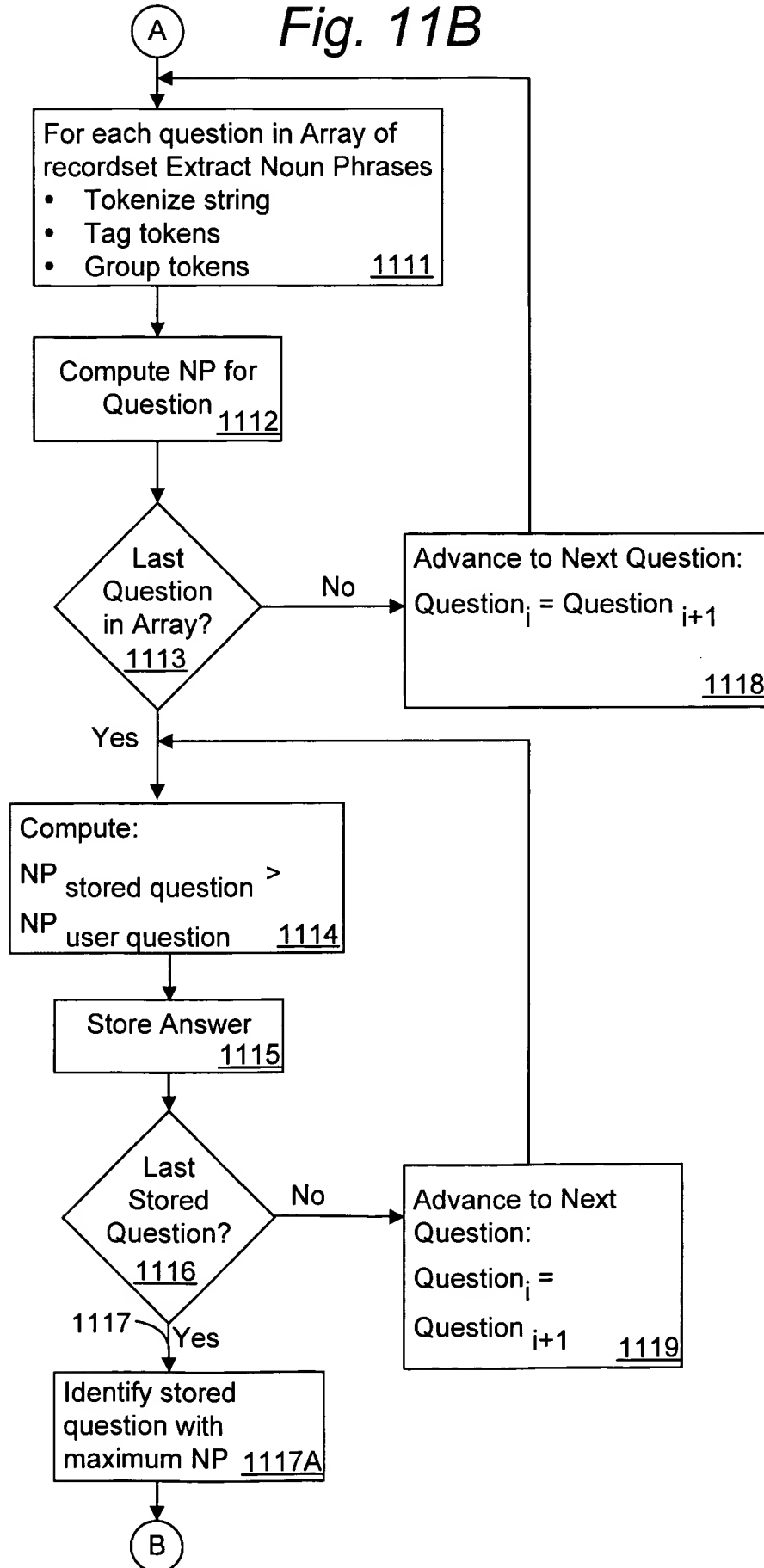




Fig. 11C

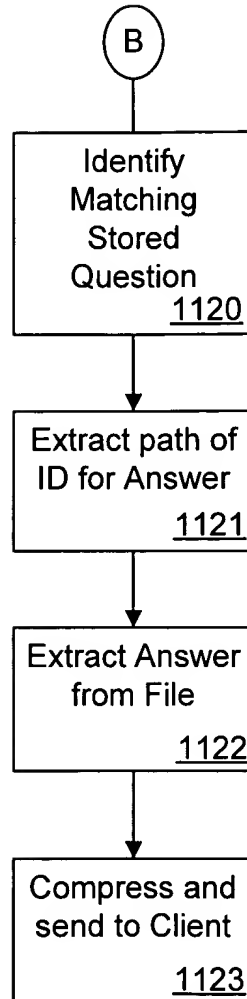




Fig. 12

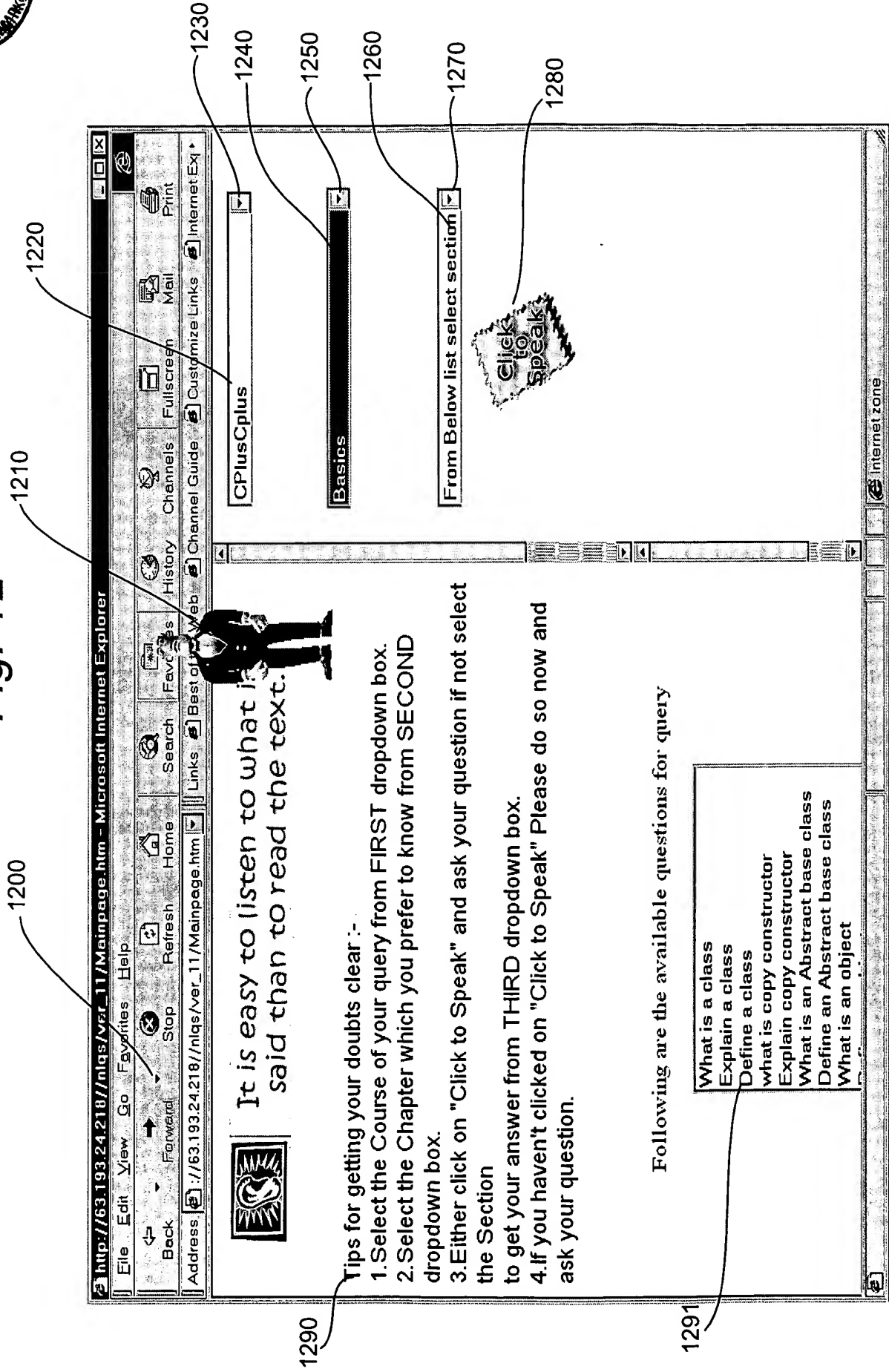




Fig. 13

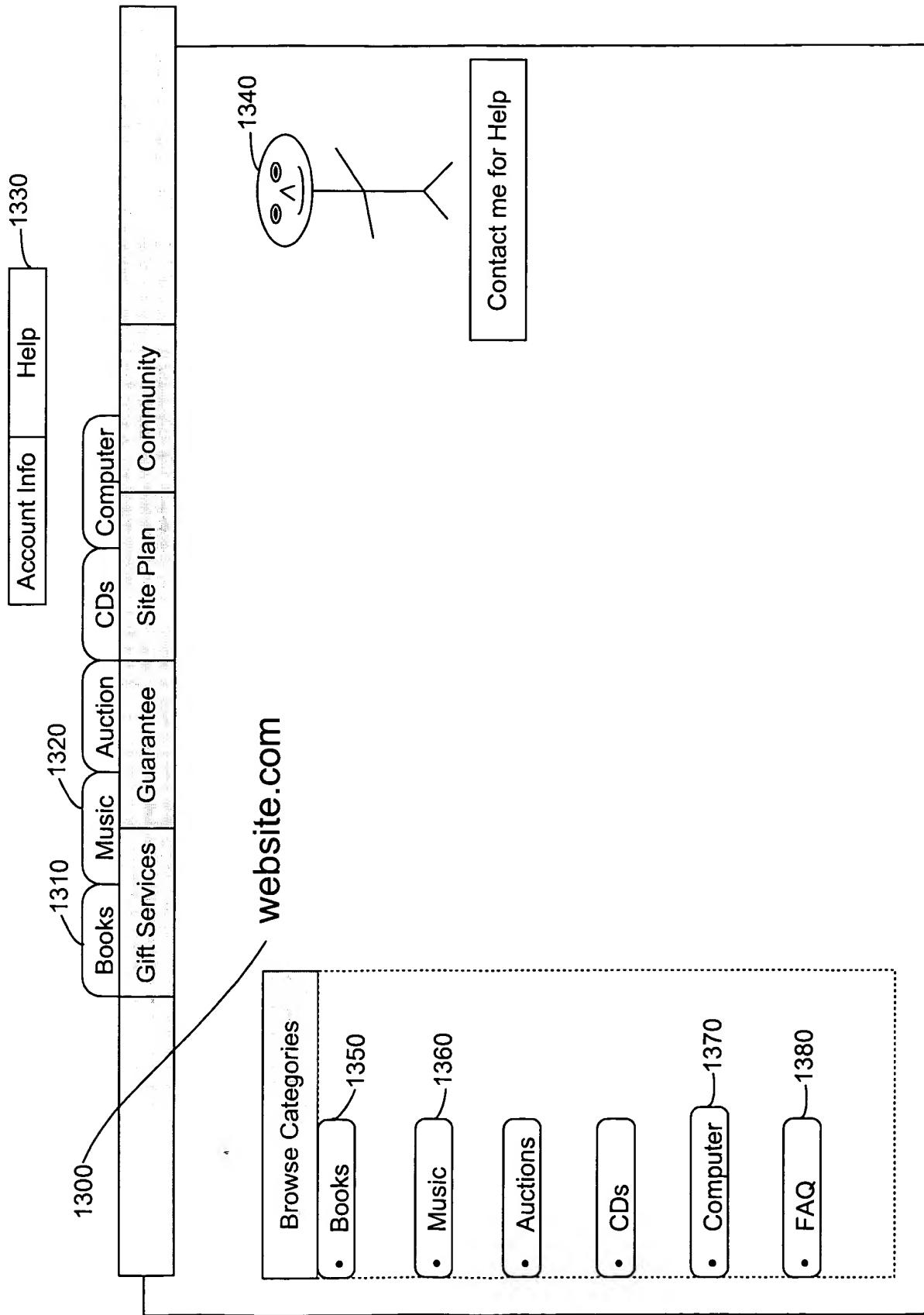


Fig. 14

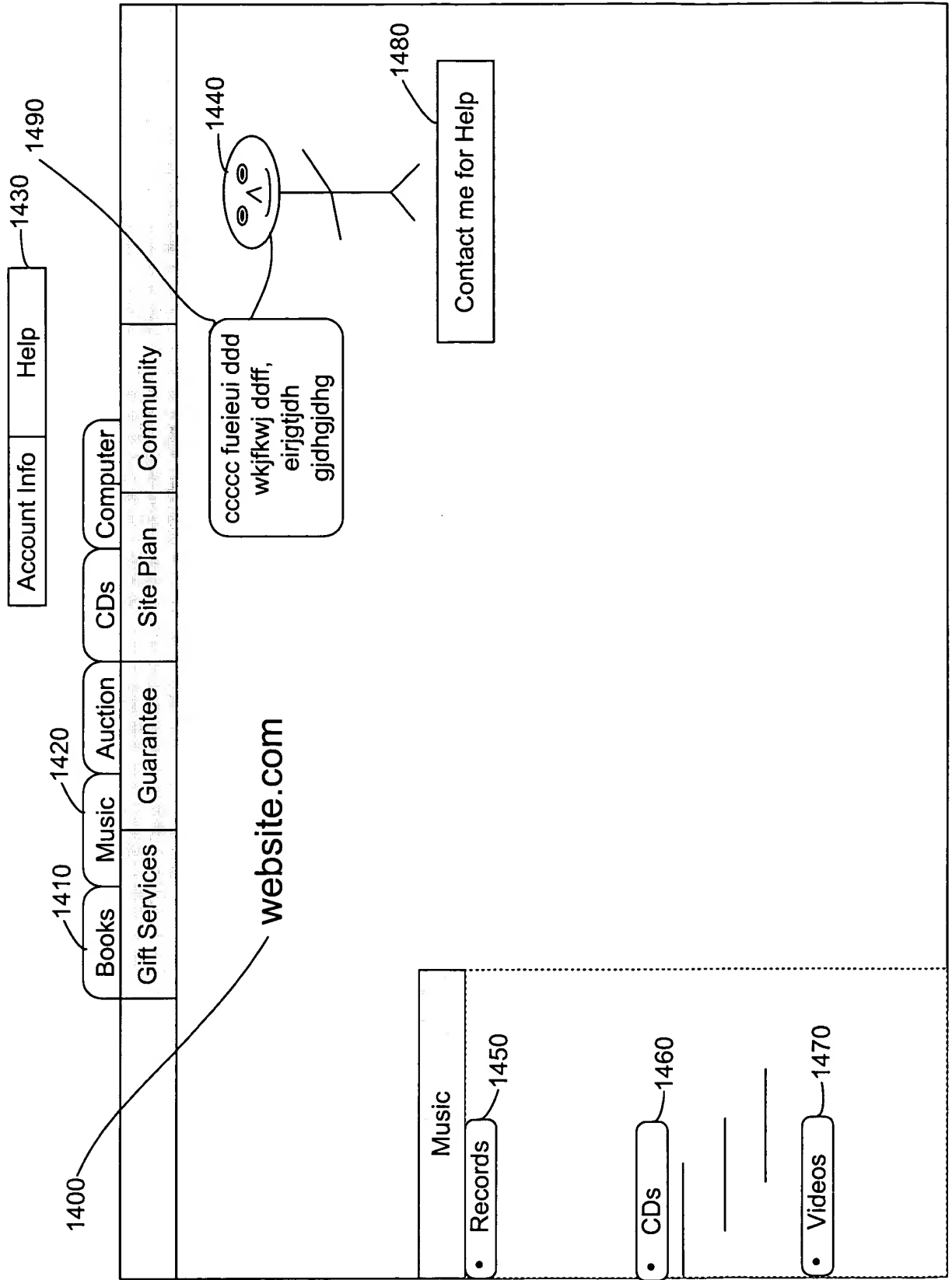


Fig. 15

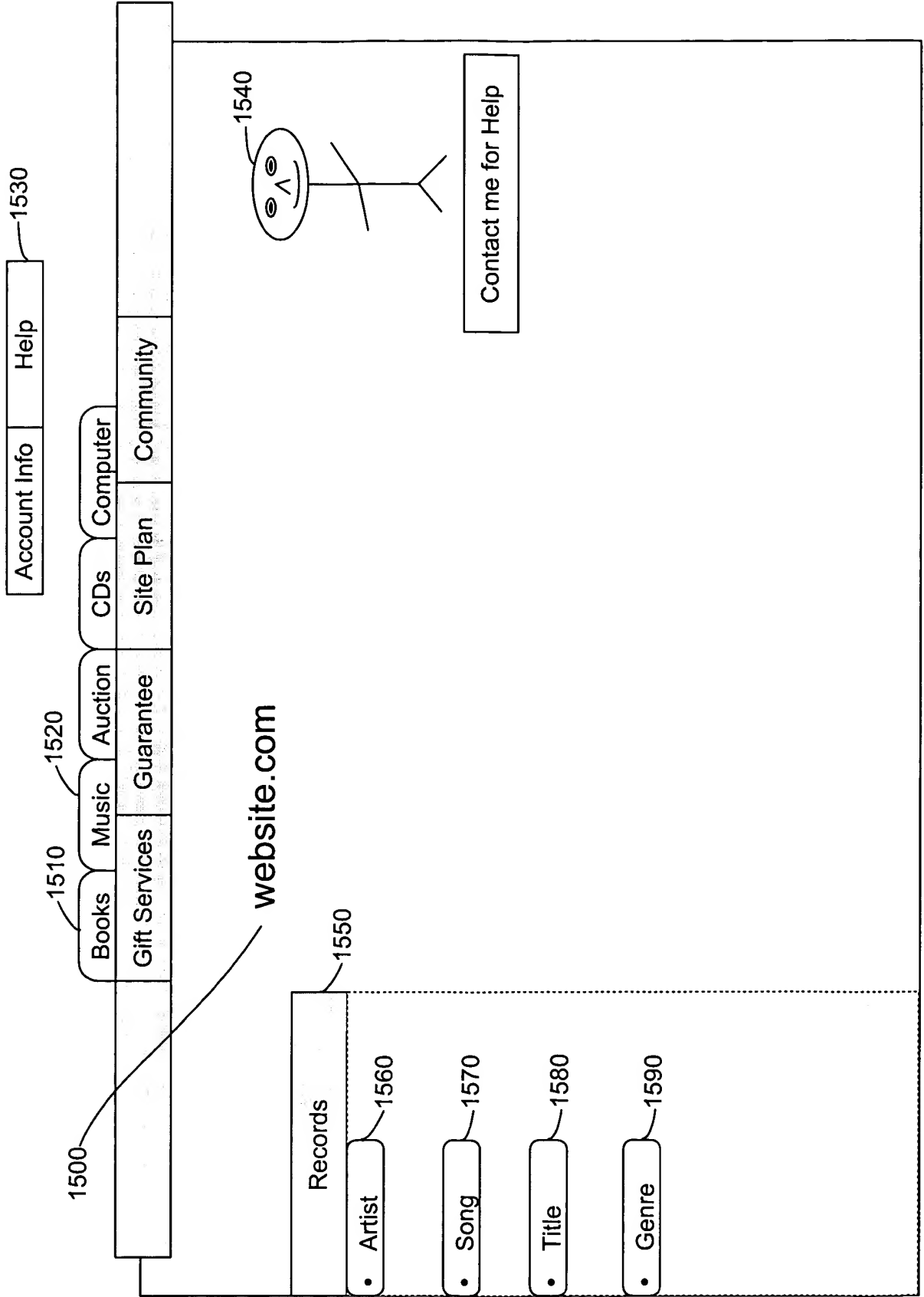




Fig. 16

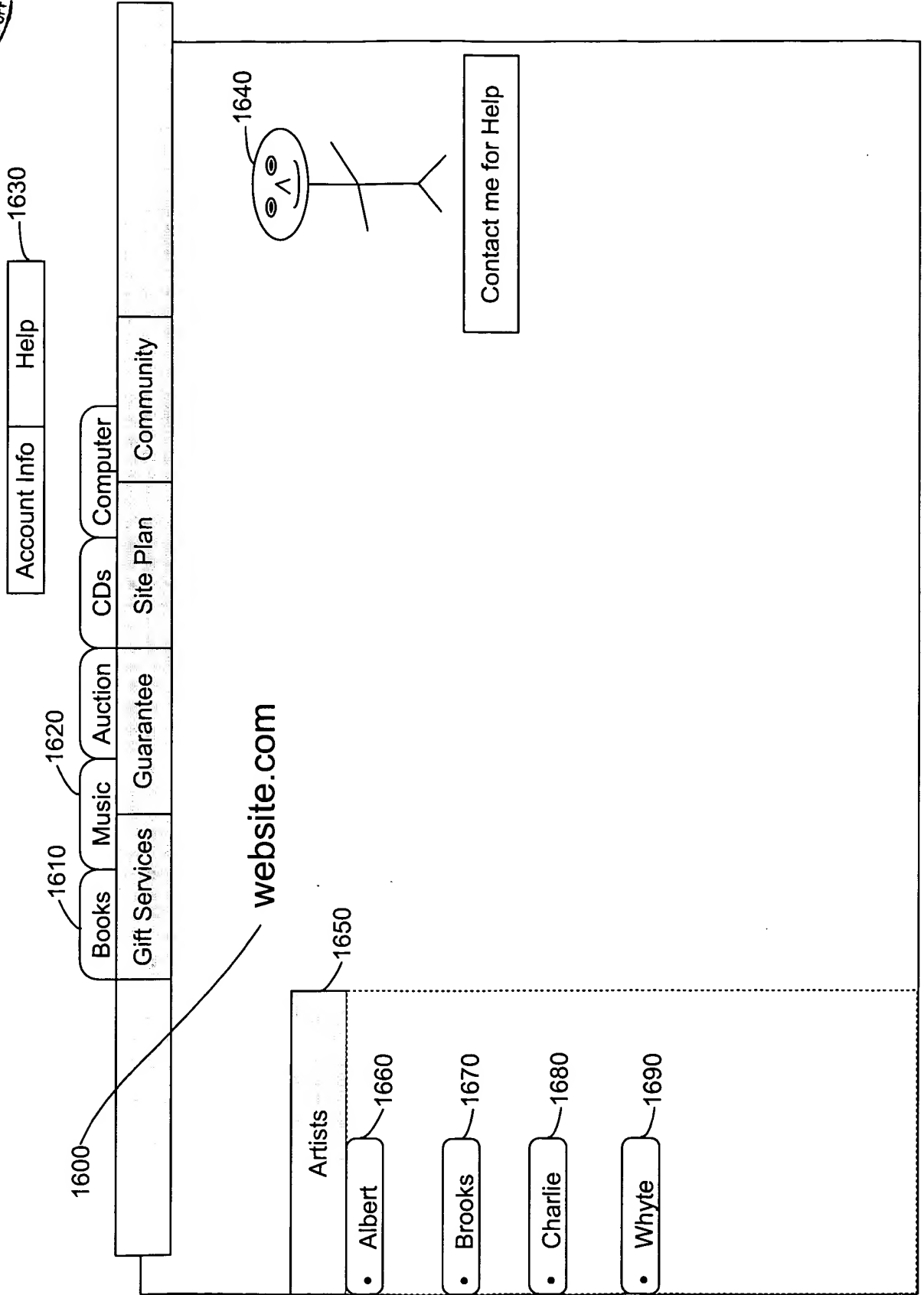


Fig. 17

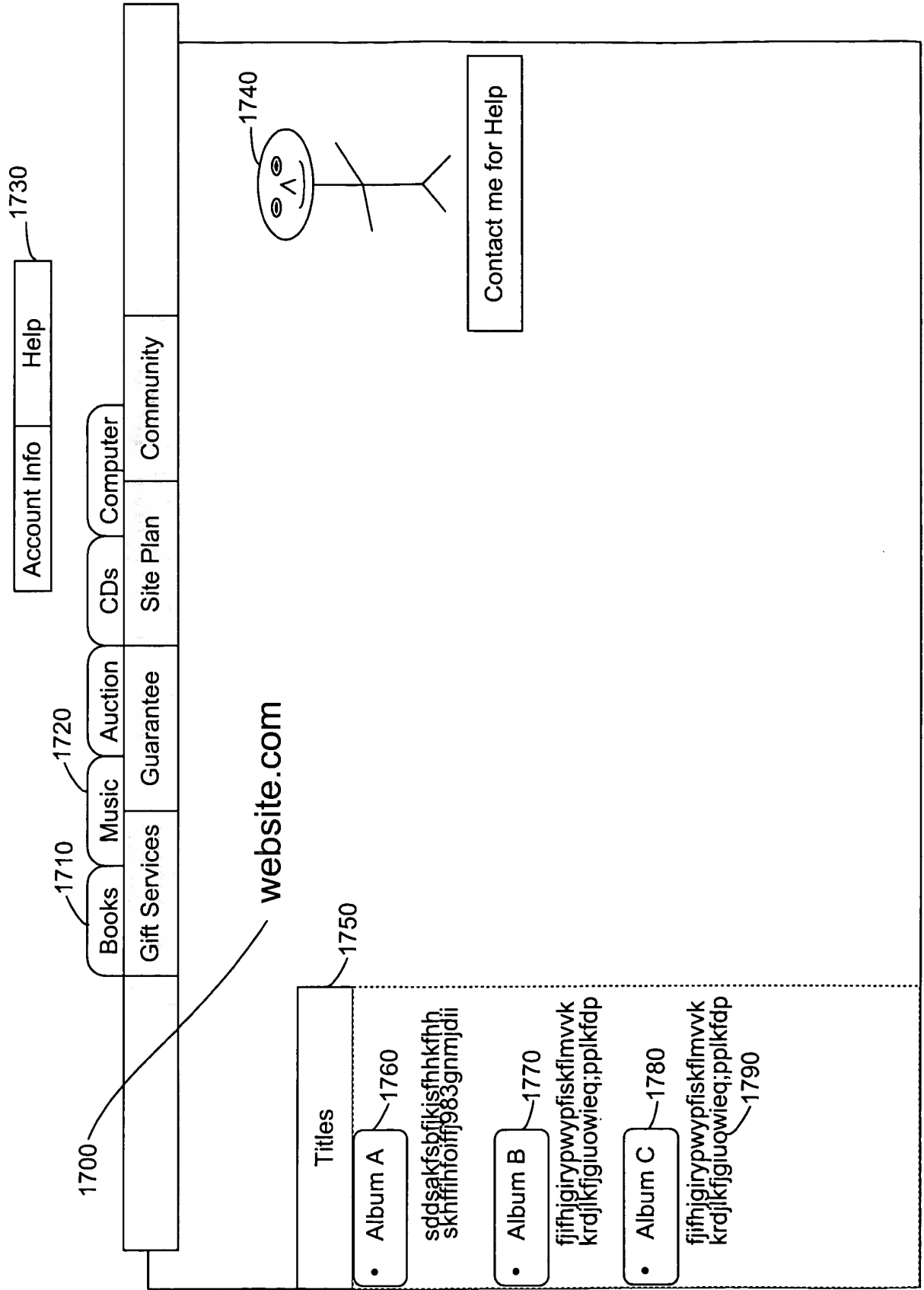




Fig. 18 (Page 1/2)

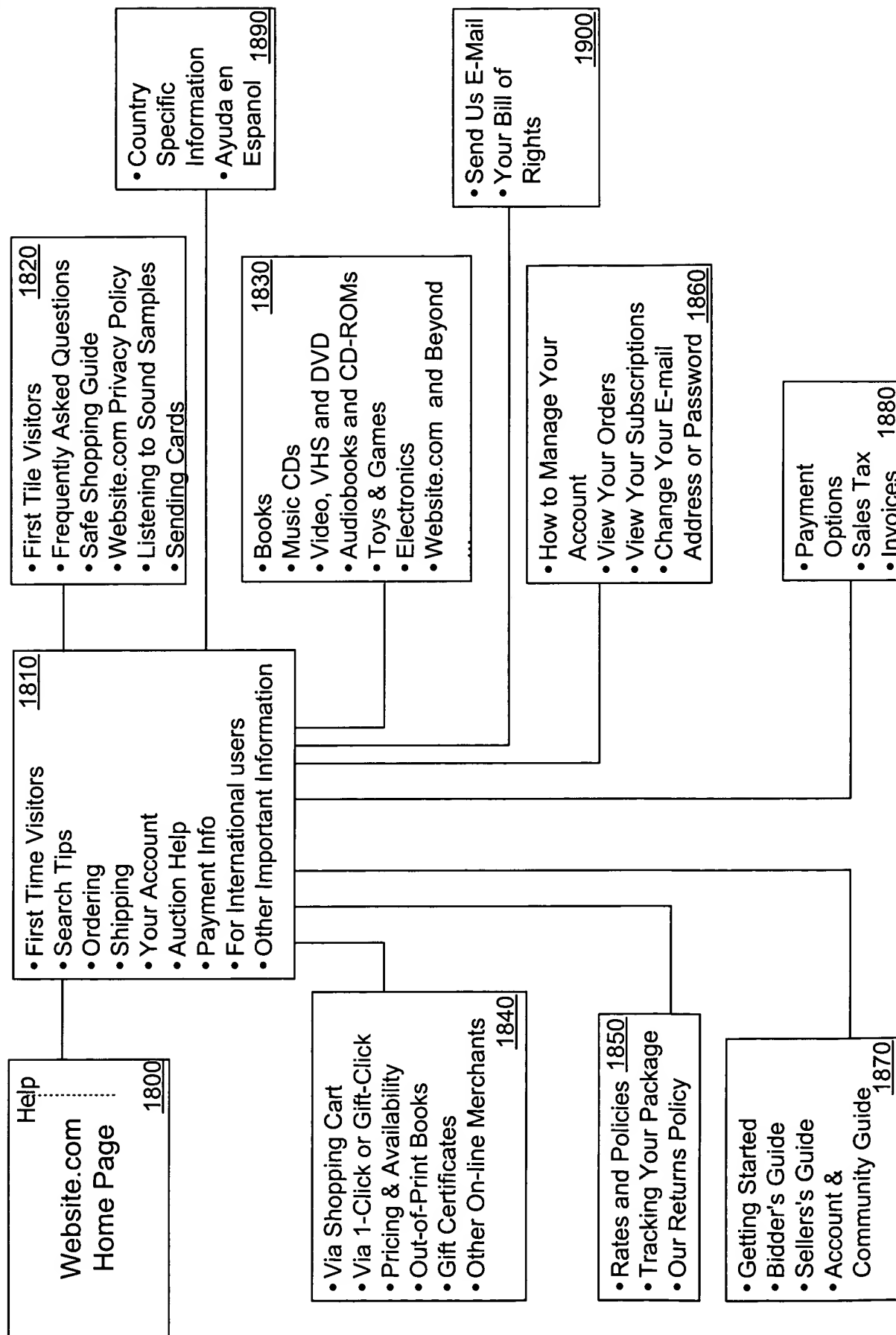




Fig. 18 (Page 2/2)

